

## **Matthews Marcus**

10:00 M. Marcus Intro&welcome

10:15 A. Manceau Keynote: Microsight and megascience in the environmental realm at 3rd generation synchrotrons

11:10 P. Nico Chromium in atmospheric particles: speciation and redox transformations

11:35 Paul Fenter Elemental, chemical and structural characterization of mineral-Water interfaces with X-ray scattering techniques

12:00 John Bargar Synchrotron-based XAFS- and WAXS investigations of bacteriogenic Mn oxides: fundamental structural and environmental chemistry

12:25 lunch break

1:40 Matt Newville Results from the GSECARS X-ray microprobe

2:05 Paul Evans Piezoelectric distortion and polarization switching in ferroelectric thin Films

2:30 Gayle Woloschak Biological applications of TiO<sub>2</sub>-DNA nanocomposites

2:55 Sasa Bajt Analysis of stardust and interplanetary dust particles using synchrotron-based technique

3:20 Break

3:35 E. Pantos And now for something completely different: application of micro-SR to archaeology and cultural heritage science

4:00 M. Marcus Overview of ALS hard X-ray microprobes, leading into:

4:20 Discussion (A. Manceau, D. Sayers lead)  
How should these beamlines be improved? How to do it?

Who pays for it?

5:30 Workshop ends